

Bellevue Fire Station 10

Project Timeline

COMPLETED	June 2014	Fire Facilities Master Plan
	October 2016	Fire Station 10 Site Selection
	November 2016	Fire Facilities Levy Approved by Voters
	2017 - 2019	Land Acquisition for Fire Station 10
	2018 - 2019	Programming, Site Analysis, Owner Goals, Sustainability Studies

January 2020	Public Meeting - Open House
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ANTICIPATED	1st Quarter 2020	Public Meeting - Design Update
	2nd Quarter 2020	Land Use Permit Process
	3rd Quarter 2020	Public Meeting - Conditional Use Permit for Land Use
	4th Quarter 2020	Building Permit Process
	2nd Quarter 2021	Construction Start
	4th Quarter 2022	Fire Station 10 Operational

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Project Goals

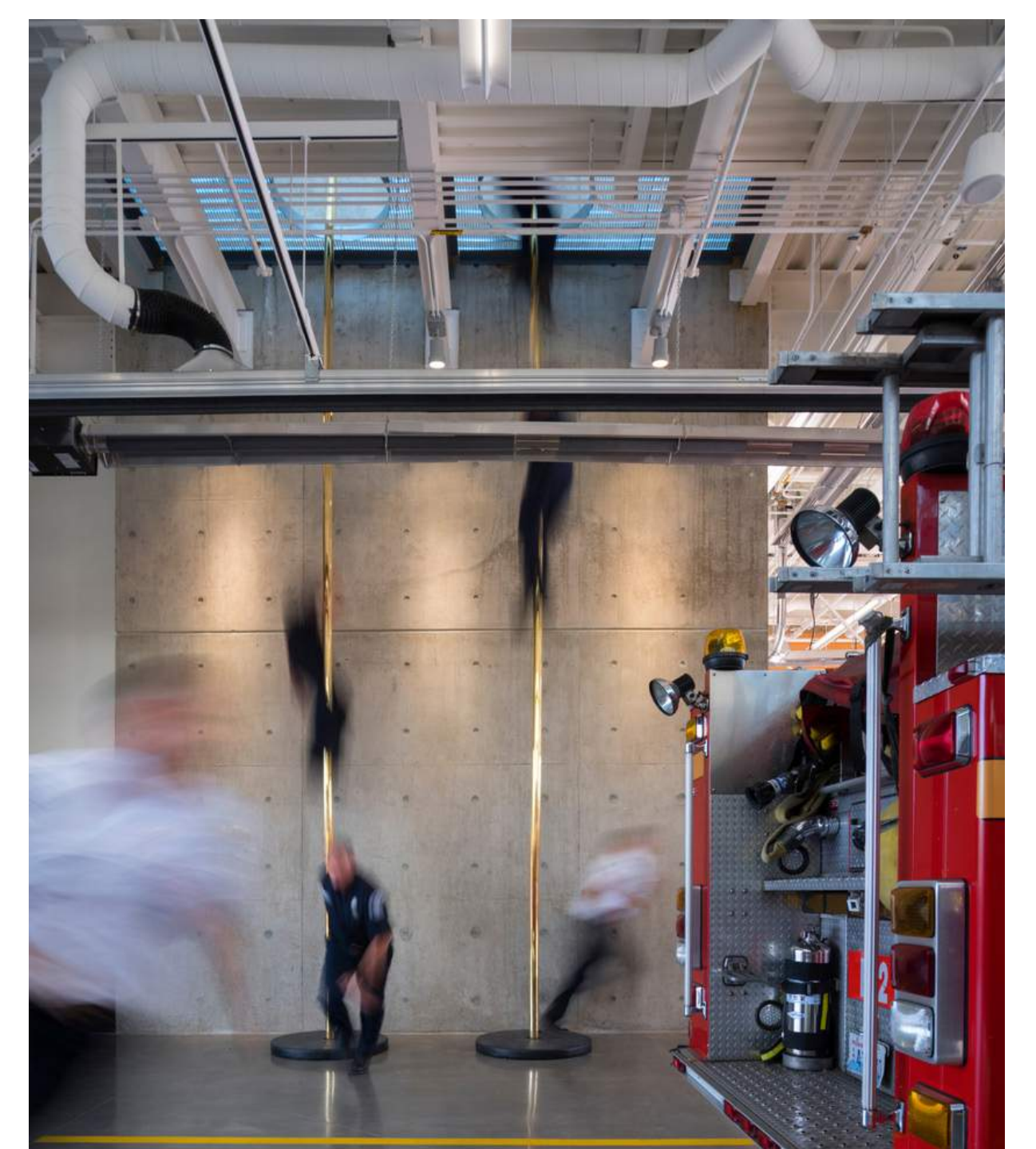
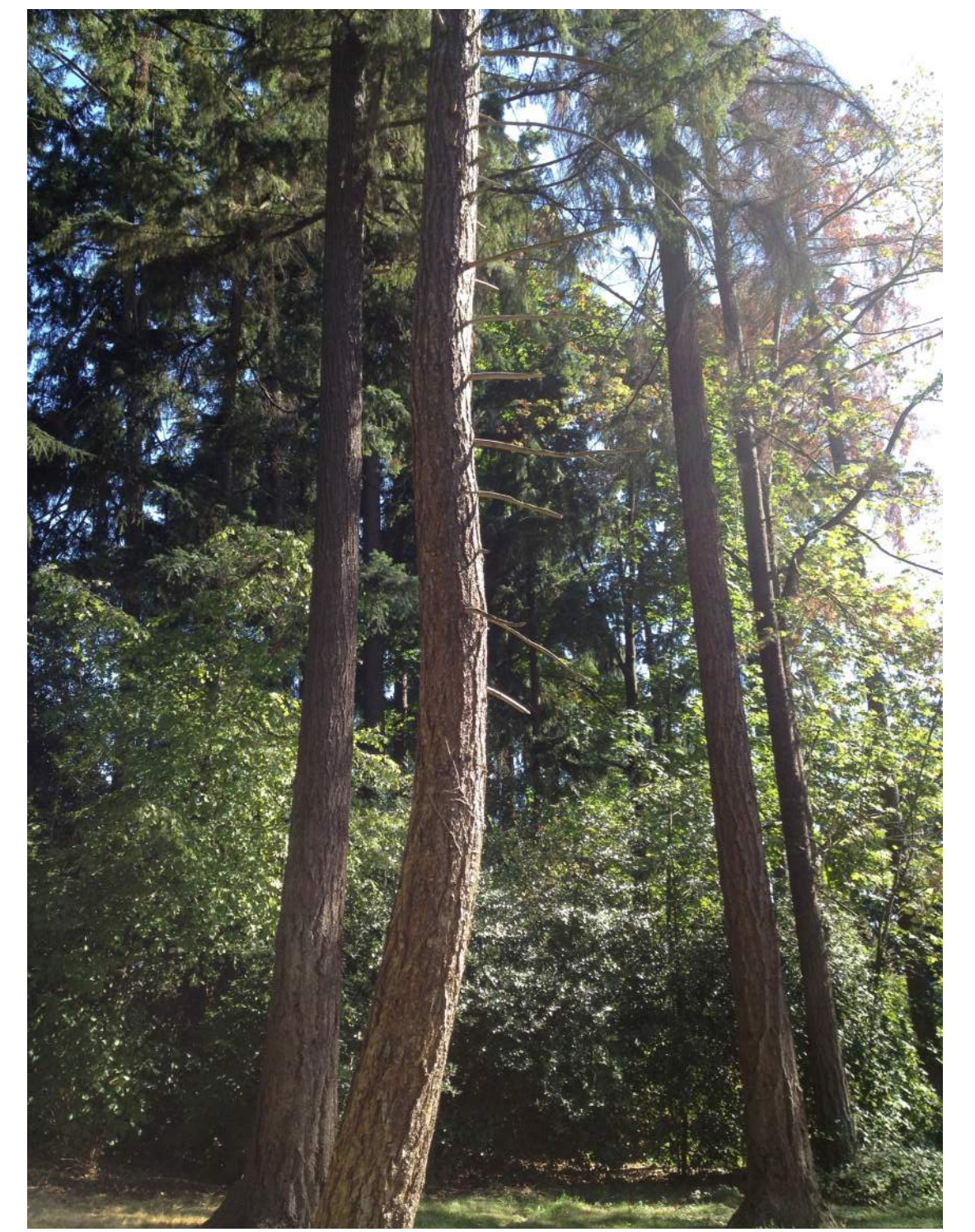
Project Goals

- Protected, Prepared and Healthy Community
- Community Connection
- Civic Presence
- Firefighter Health and Wellness
- Sustainable Design

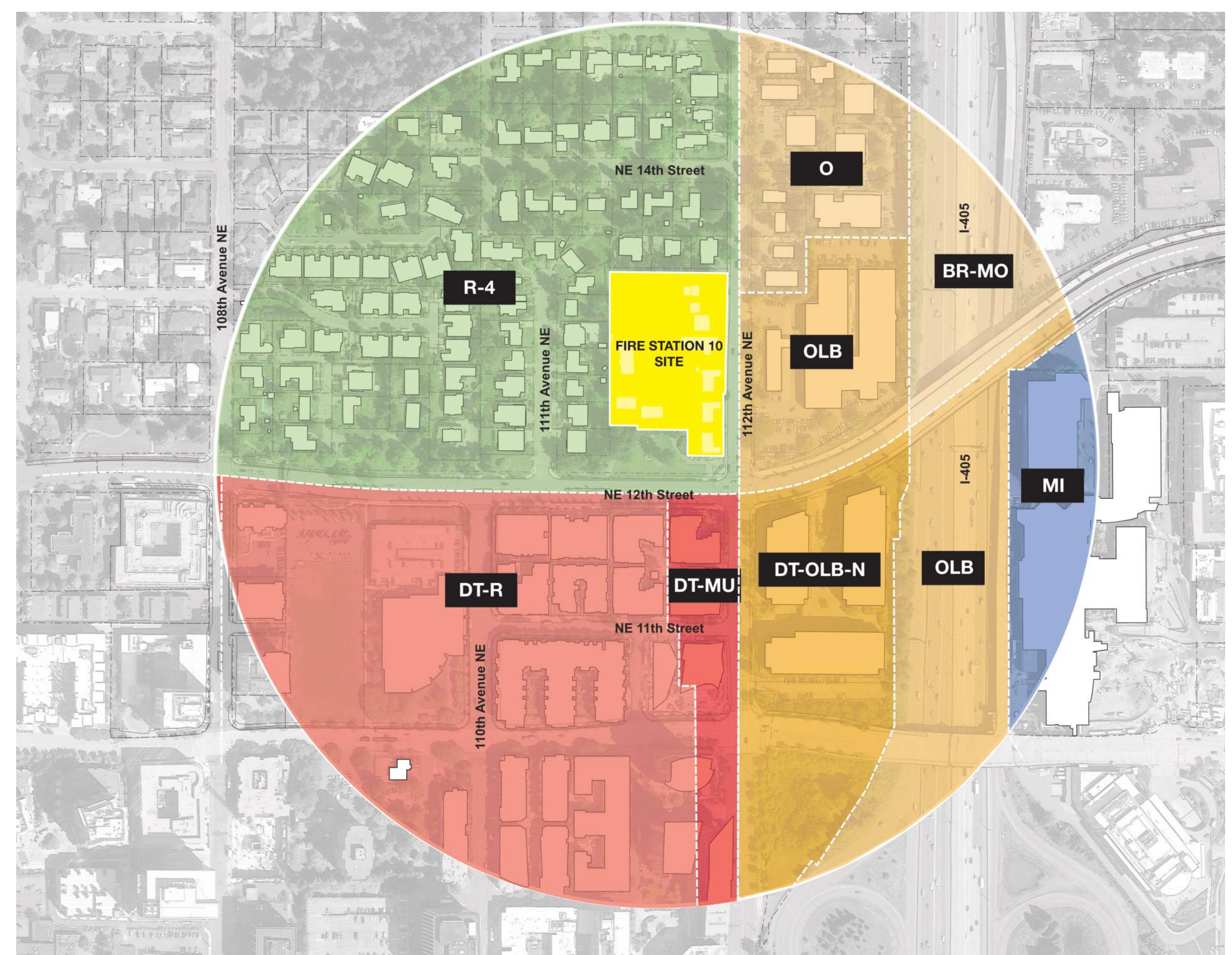
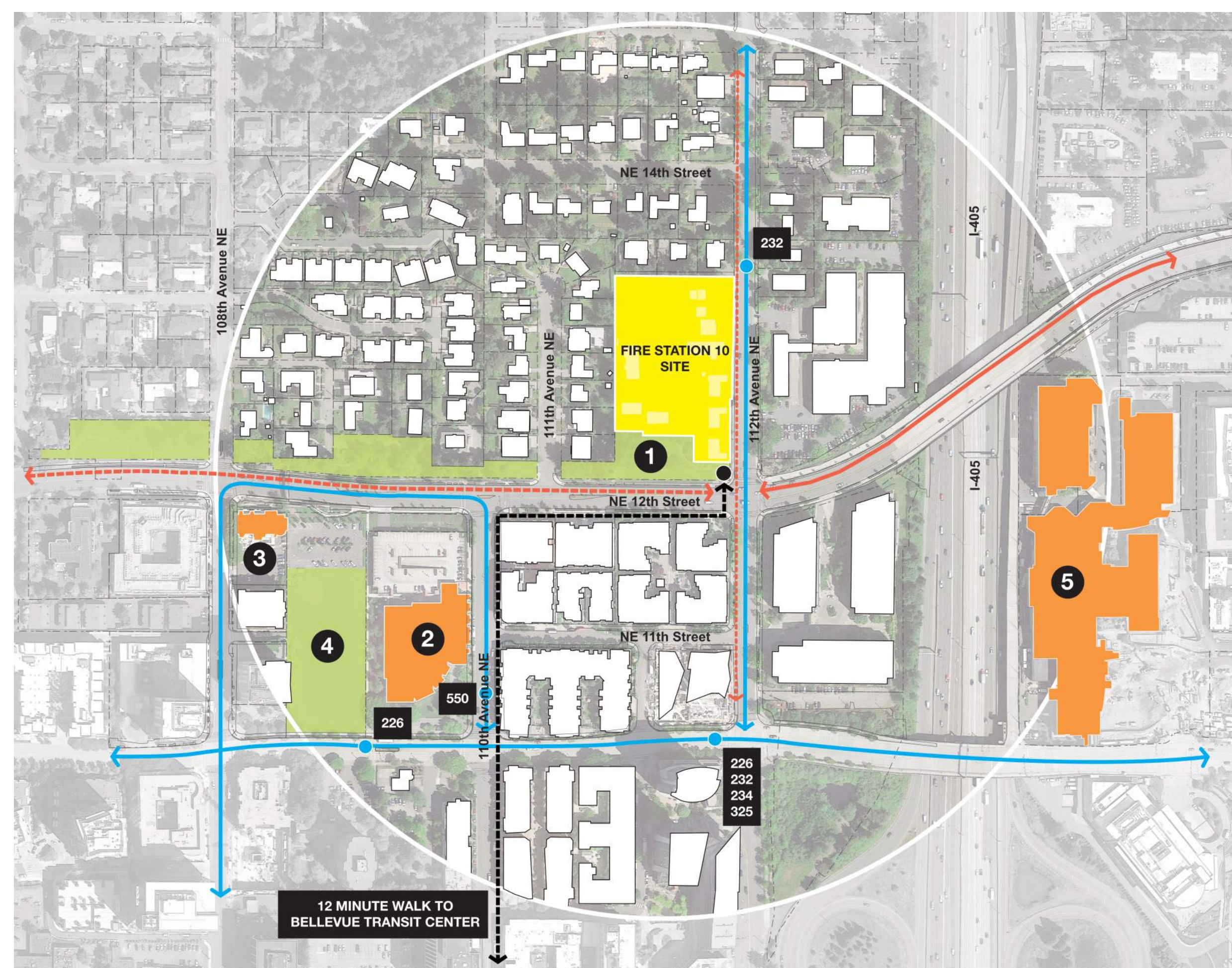


Project Design Considerations

- Firefighter Response Times
- Daylighting and Views to Exterior
- Community Connection and Education
- Sustainable Design - Energy, Water, Wellness, and Resiliency
- Vehicle Movement for Fire Operations, Public Access, and Safety
- Pedestrian Movement - Public and Firefighters
- Existing Wetland Restoration



Existing Conditions: Community Context



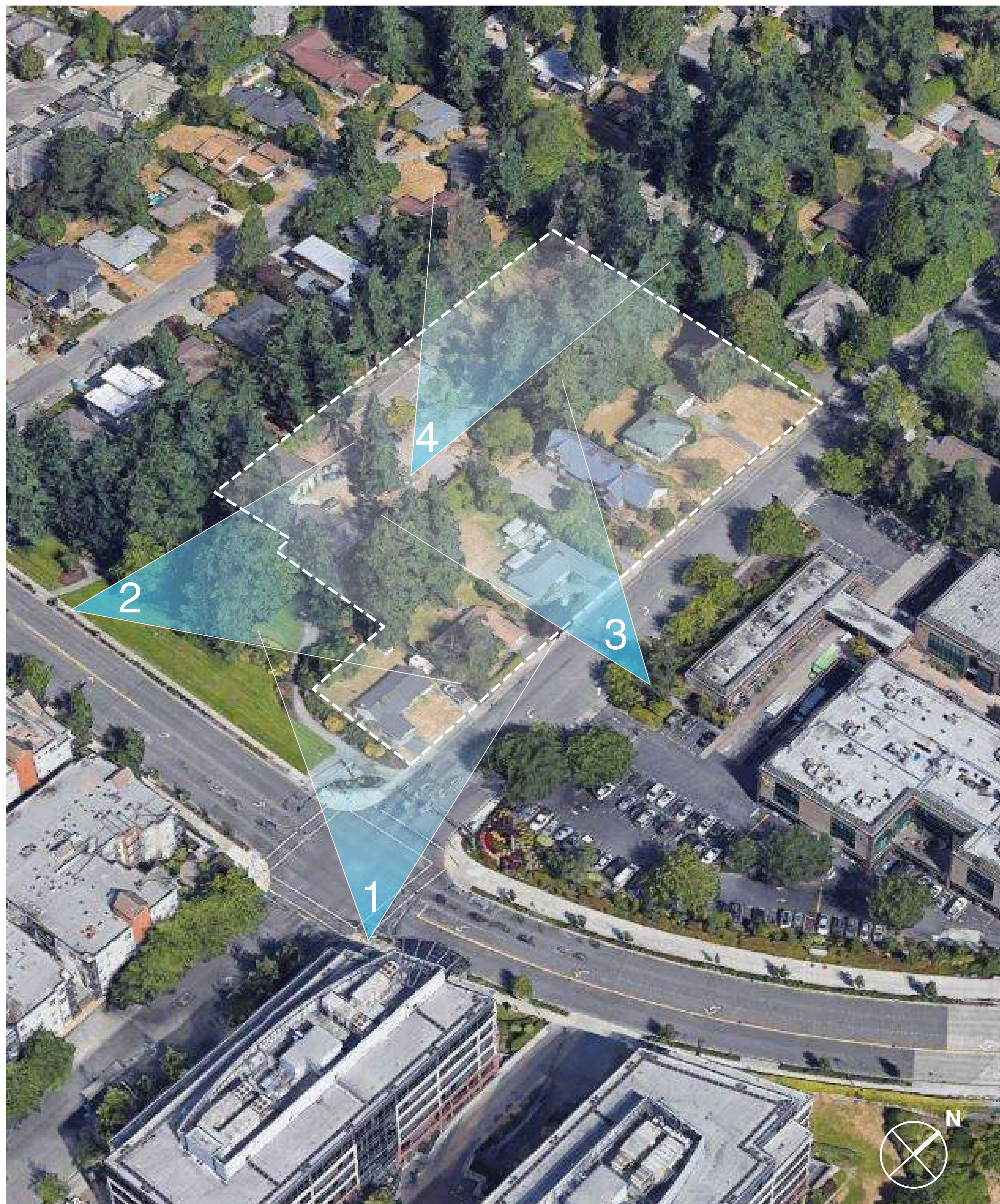
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- Transit Route and Stop
- 550**
- Transit Route Number
- Bike Route
- Planned Bike Route

DT-R

Public Open House

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Existing Conditions: Site Character



Aerial view of project site from southeast



Street character at the east side of 112th Ave. NE - north end of site



Street character at the east side of 112th Ave. NE



View of the project site from the intersection of NE 12th and 112th Ave. NE



View of McCormick park looking east



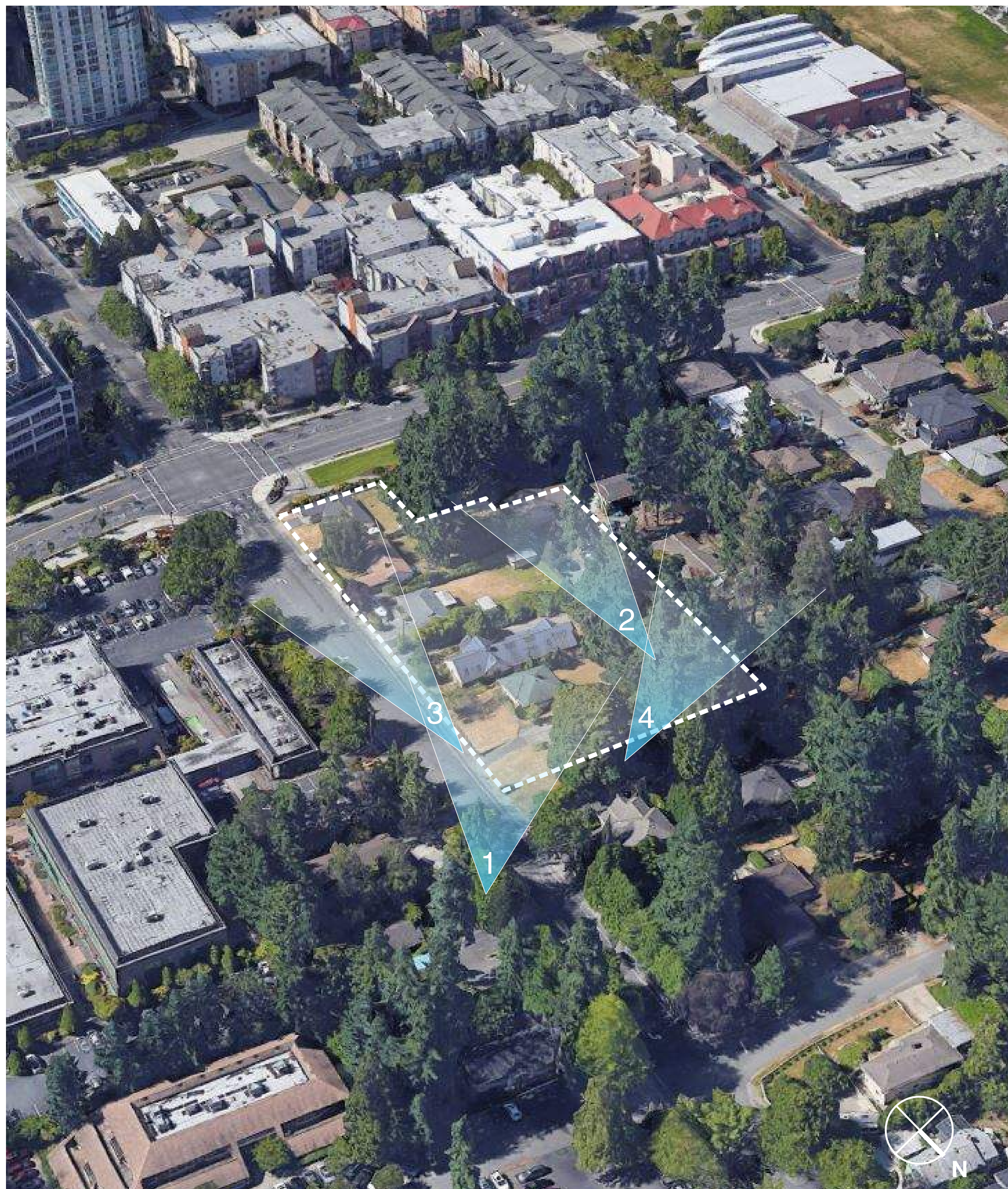
Existing street character at 112th Ave. NE



View of the existing wetland looking north

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Existing Conditions: Site Character



Aerial view of project site from northeast



View from 112th Ave. NE looking southwest



View of existing wetland looking south



View from 112th Ave. NE looking south



Street character at NE 12th Street looking southeast



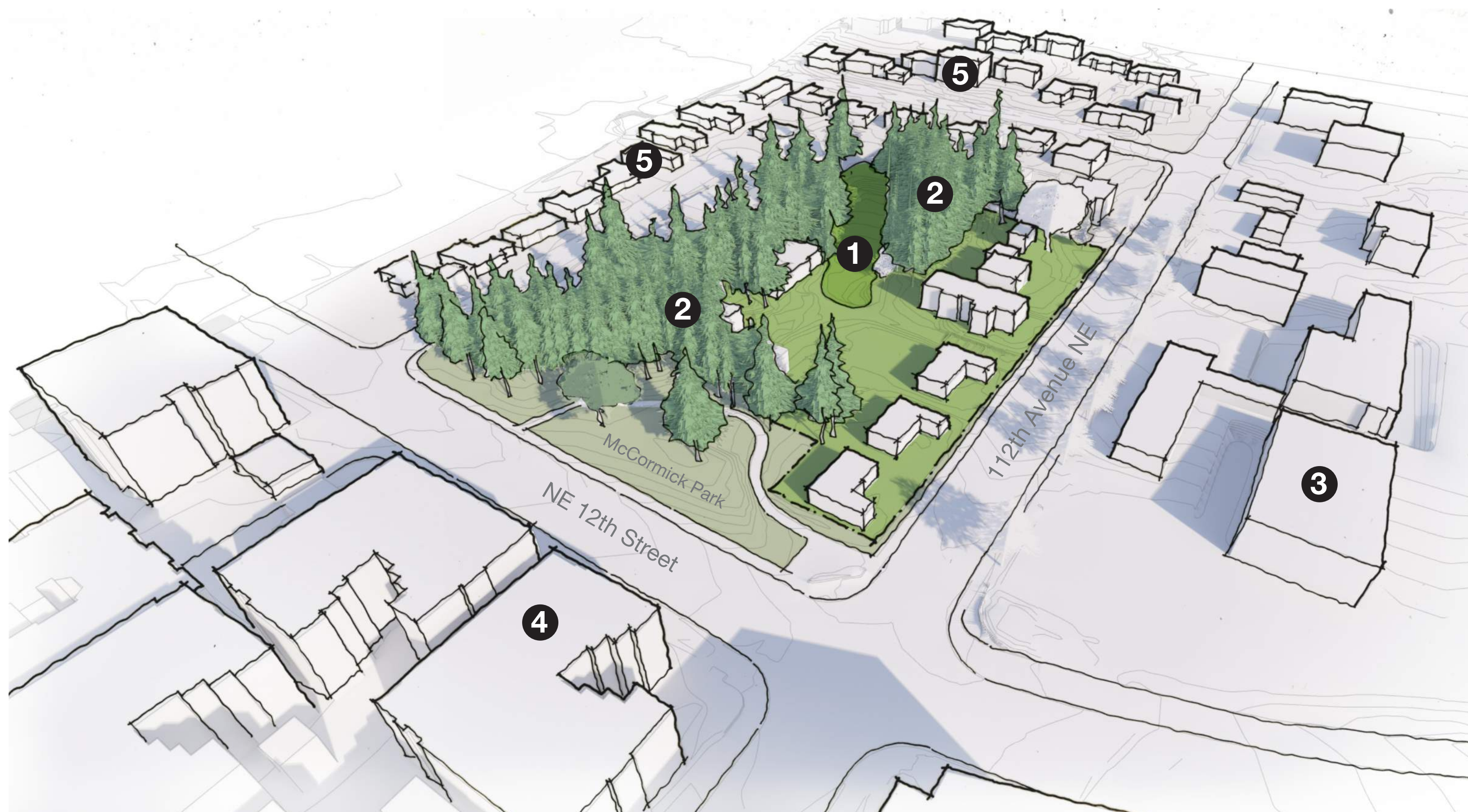
Street character at south side of NE 12th Street



View of mature trees looking west into wetland

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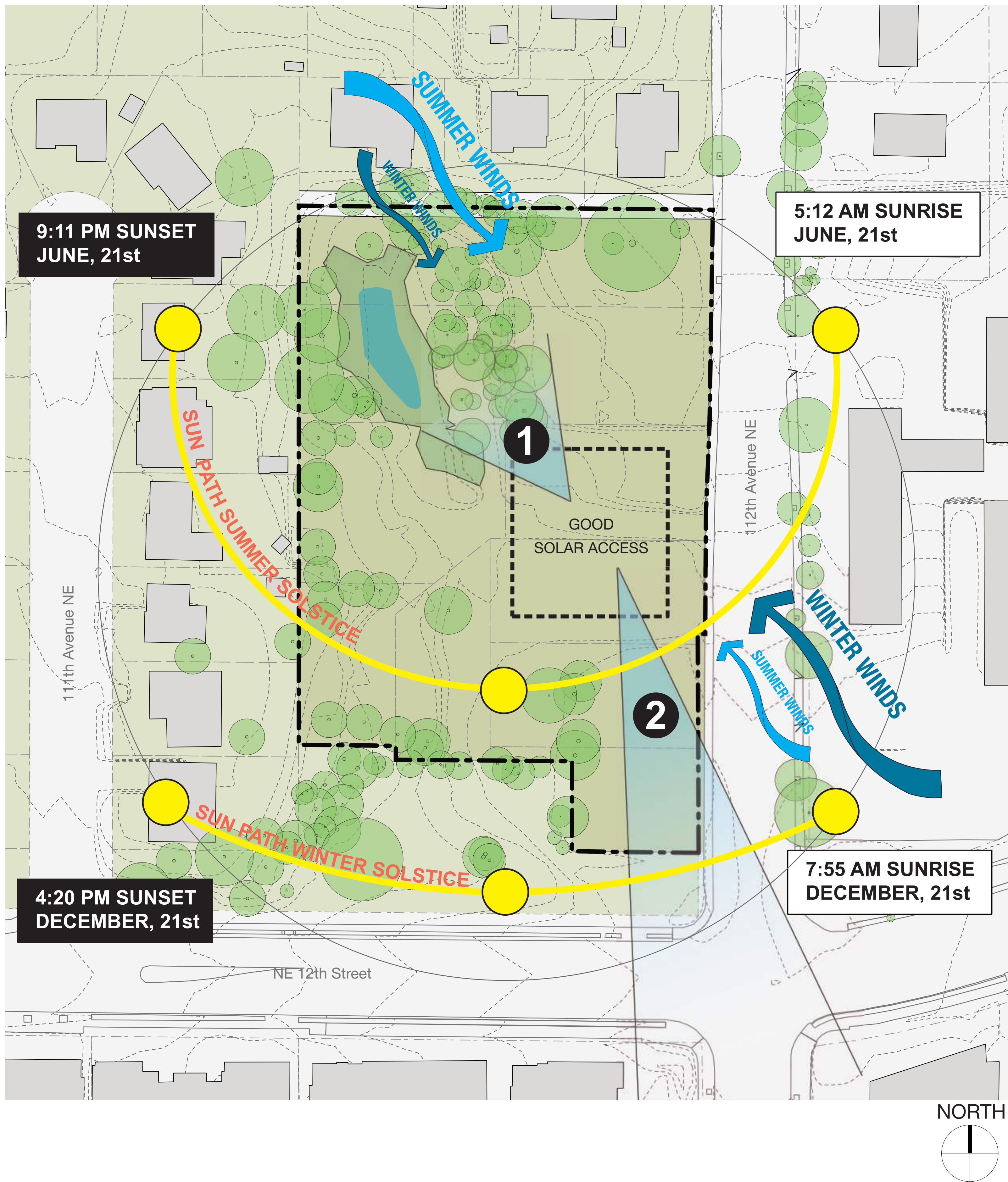
Existing Conditions: Site Features



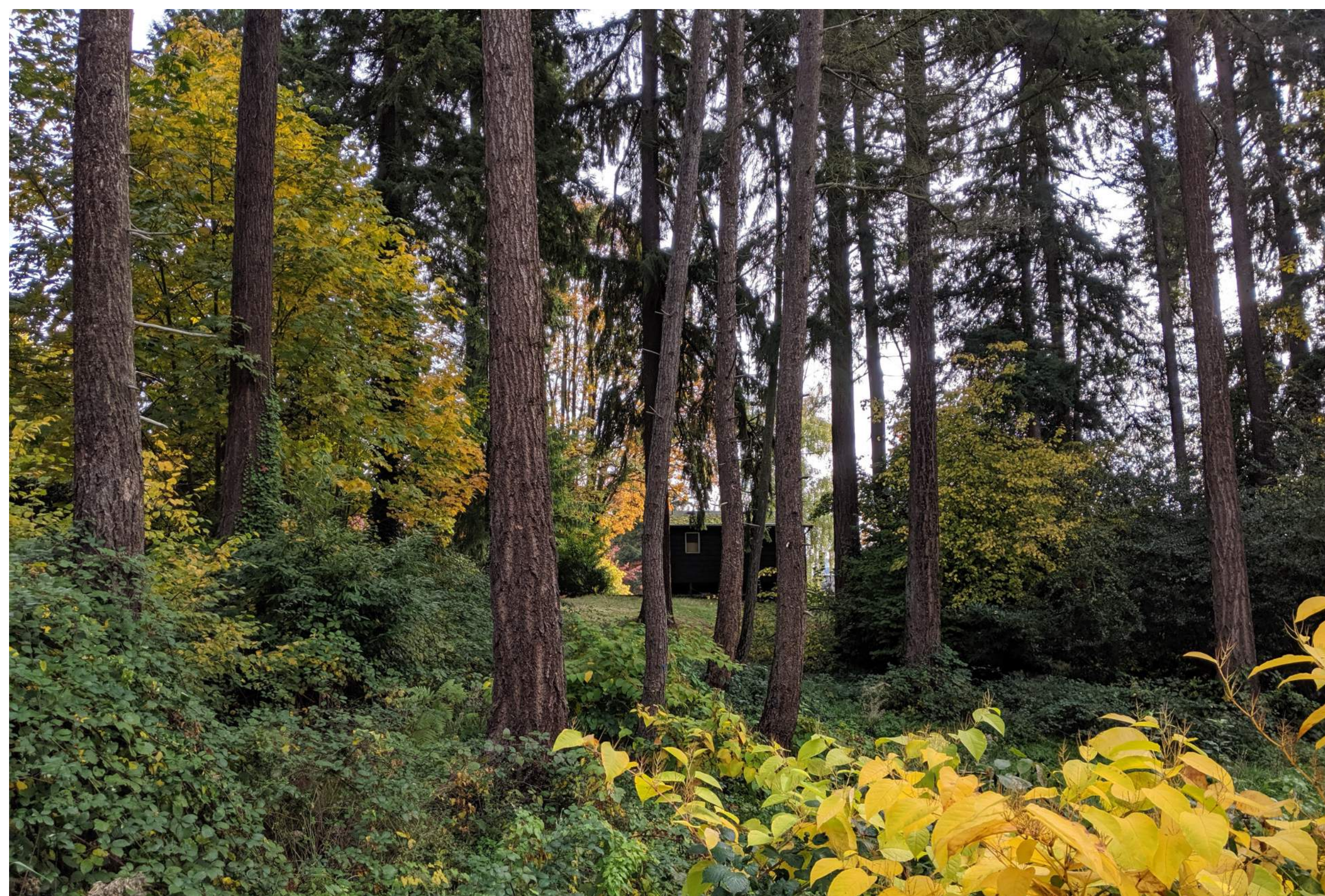
- 1 Existing wetland on the site to be preserved and enhanced.
- 2 Groves of tall mature trees contribute to the site character.
- 3 Larger scale commercial buildings to the east.
- 4 Edge of Downtown is mixed use zoning. Taller more closely spaced buildings.
- 5 Smaller scale, single family residential zoning.

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Site Analysis: Environmental Conditions



1 View Looking Northwest to Wetland and Tree Canopy



2 View Looking South to Downtown Bellevue



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Site Analysis: Constraints and Opportunities

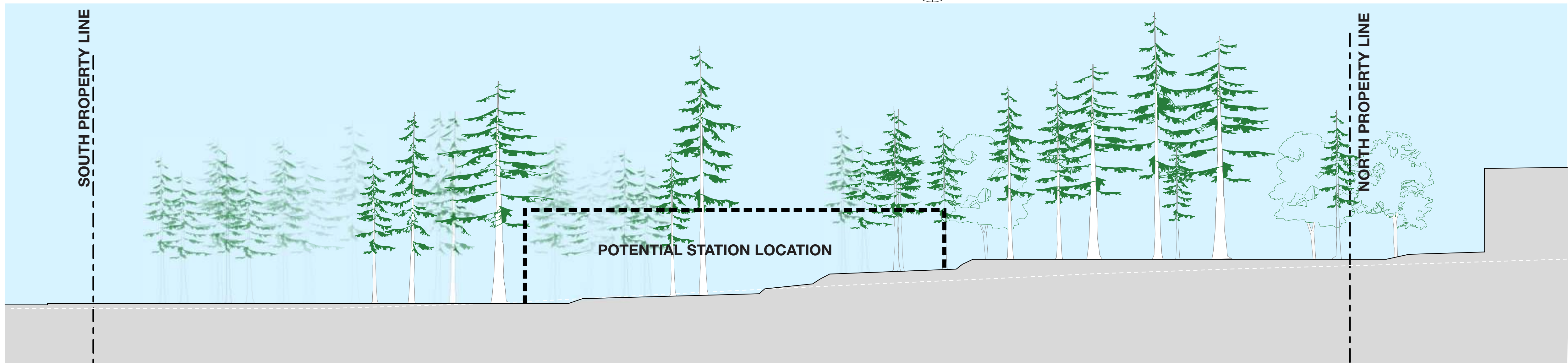


BUFFERS

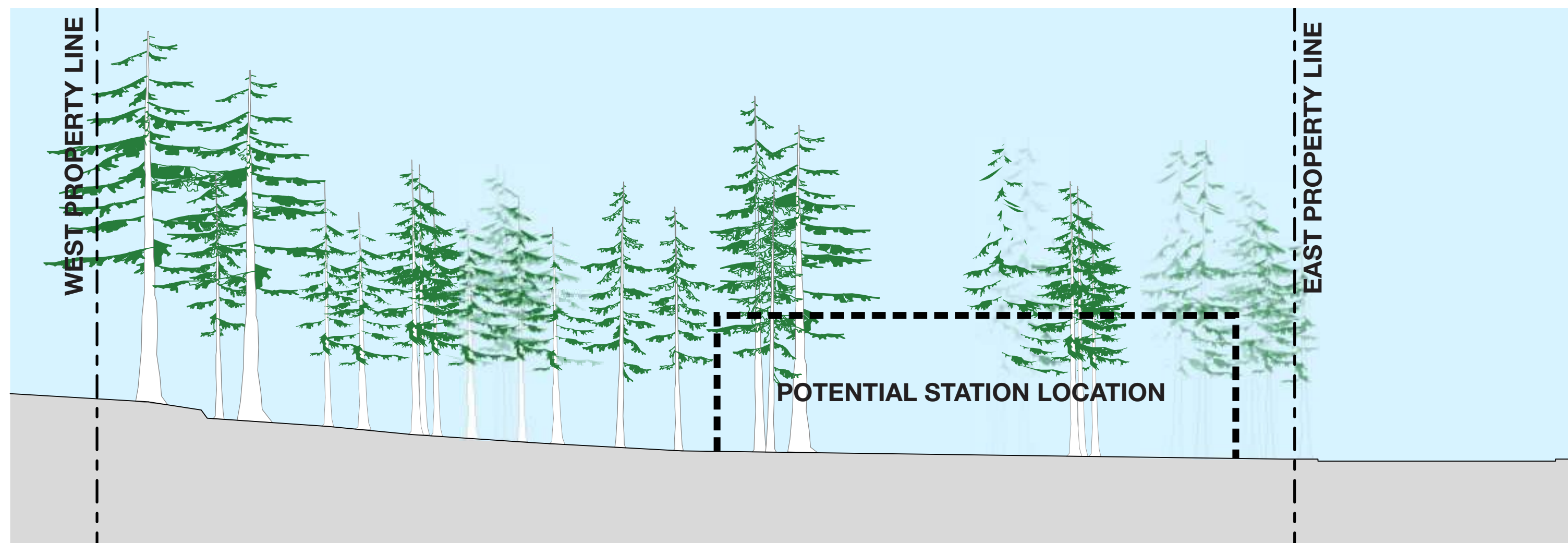
- A **50 FOOT BUFFER** is proposed to separate the Fire Station activities from residential uses.
- A **BUFFER** is required around the **RESTORED WETLAND** to maintain ecology and health of the habitat.

SLOPES

- Steep changes in slope marked in **RED** present both constraints and opportunities.
- From the north end of the site to the south end there is **17 FEET** of grade change (slope).



SECTION A



SECTION B

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Sustainability

Energy

- Reduce energy use for heating and cooling.
- Reduce energy use for hot water.
- Reduce energy use for interior and exterior lighting.
- All-electric heating, cooling, hot water and cooking (no combustion).
- Utilize controls for optimal operation.
- Generate renewable energy on site.
- Measure and verify intended operations.



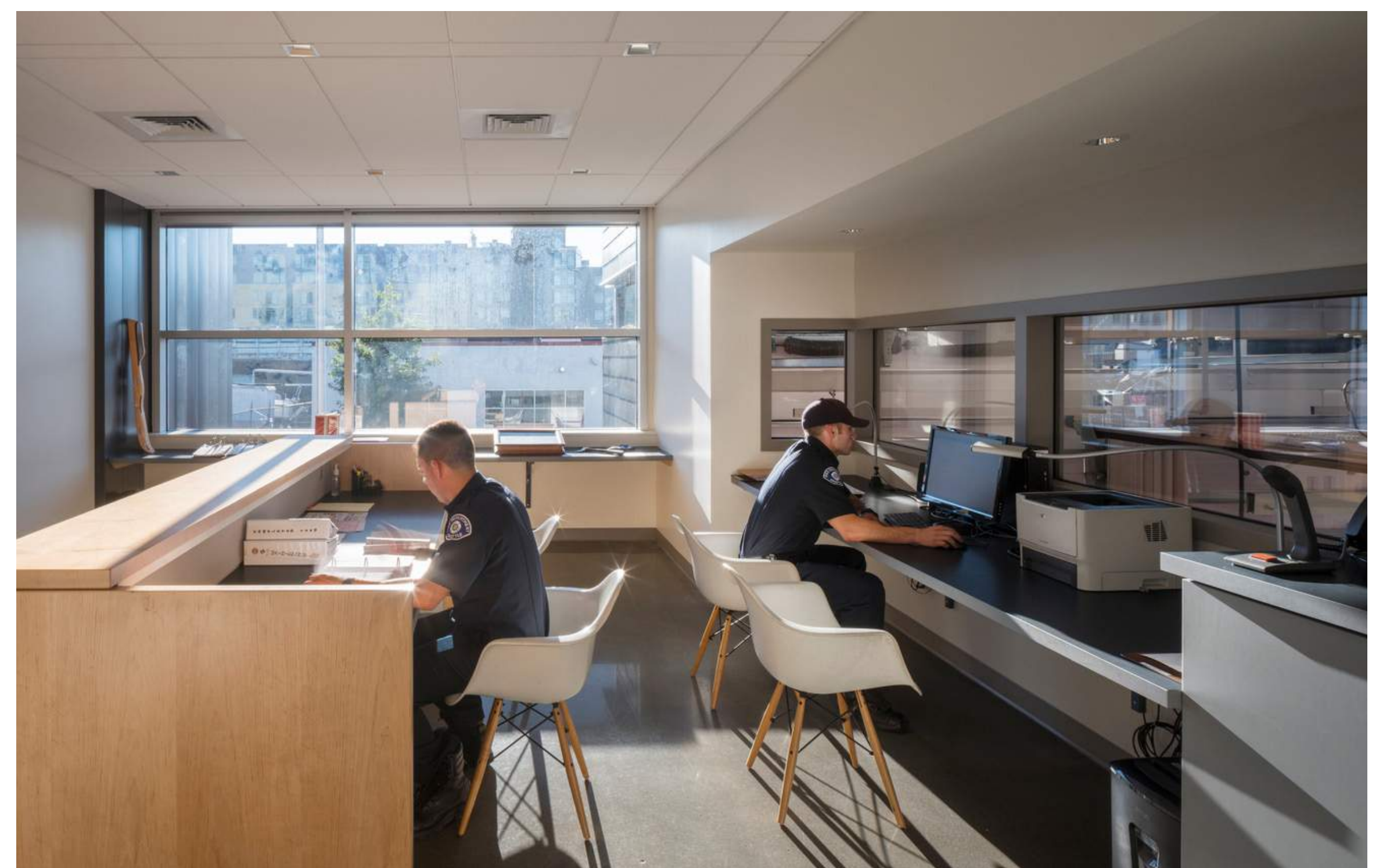
Water

- Support and improve site ecology including wetland.
- Manage stormwater with natural features.
- Reduce domestic water use.
- Harvest and reuse water for non-potable uses.



Health and Wellness

- Interior supports well-being of users with light, sound, color, materials, connection to outside.
- Sensitive design of nighttime alerting.
- Promote firefighter movement and fitness.
- Maintain good indoor air quality.
- Prevention of cross-contamination.
- Ease of cleaning and maintenance.
- Support public wellness checks.



Place and Equity

- Maintain and enhance natural site character.
- Promote ecological function of site.
- Direct and indirect connections to nature.
- Civic presence.
- Open, inviting, welcoming to public.
- Pedestrian friendly, accessible.
- History of site incorporated into design.
- Support diversity for fire department, visitors.



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Sustainability

Materials

- Healthy material selections for interior spaces.
- Natural materials (biophilia) at living quarters.
- Durable finish materials, easy to clean.
- Promote responsibly and locally sourced materials.
- Recycled content, and ability to be recycled.
- Consider embodied carbon of materials.
- Reuse of harvested wood from on site trees.

Operations and Education

- Efficient movement for firefighter response.
- Design for ease of operation and maintenance.
- Monitor and evaluate systems performance.
- Design for community engagement.
- Facilitate education of fire department history and operations.

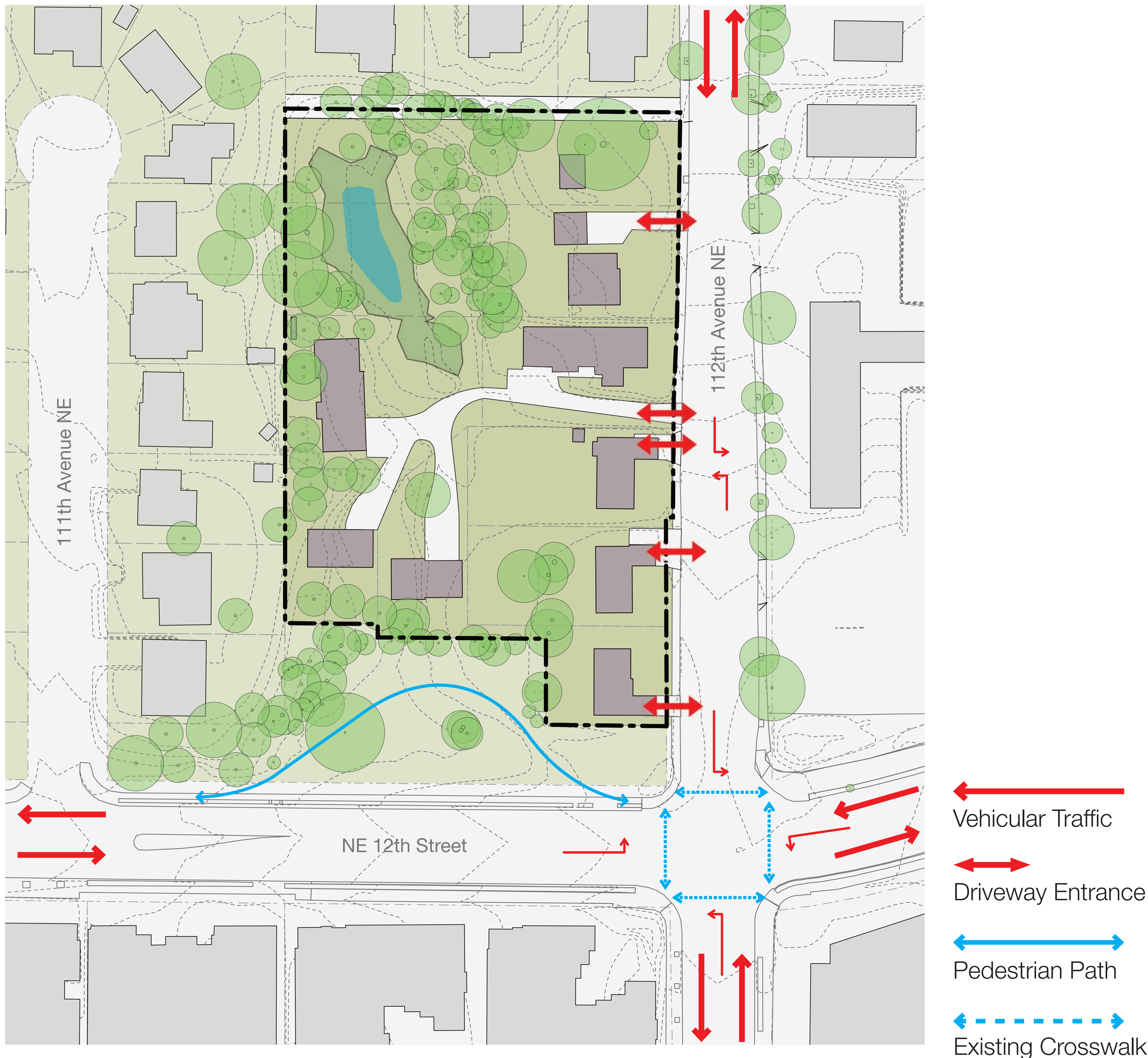
Resiliency

- Assess potential hazards to project.
- Identify potential hazard risk mitigation strategies.
- Review local disaster management plans.
- Support firefighter operations during disaster.
- Consider potential future needs of fire dept.
- Consider potential impact of future climate.
- Consider future operational changes.

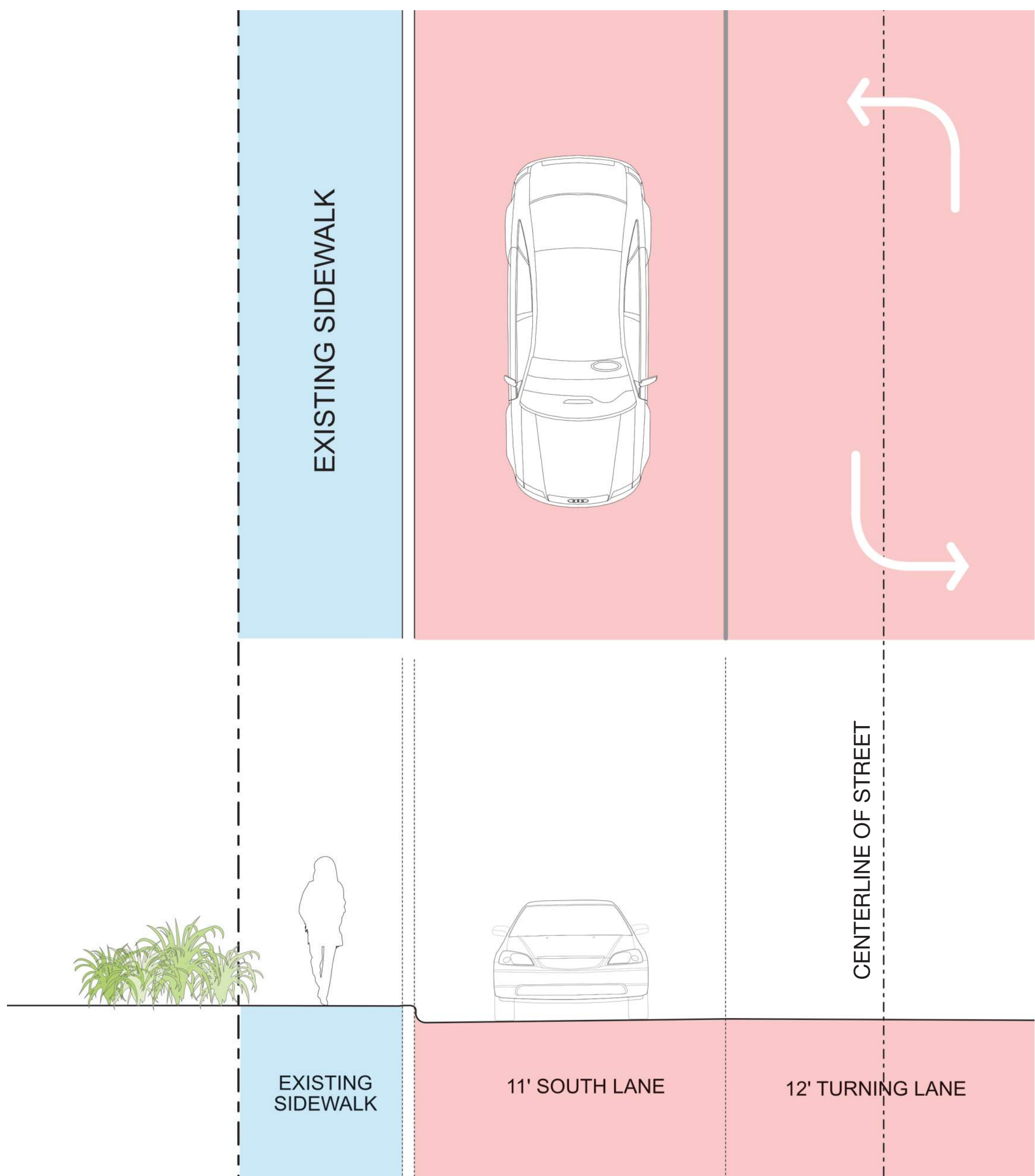


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Transportation Impacts - Current Conditions



Existing Street Section at 112th Ave. NE

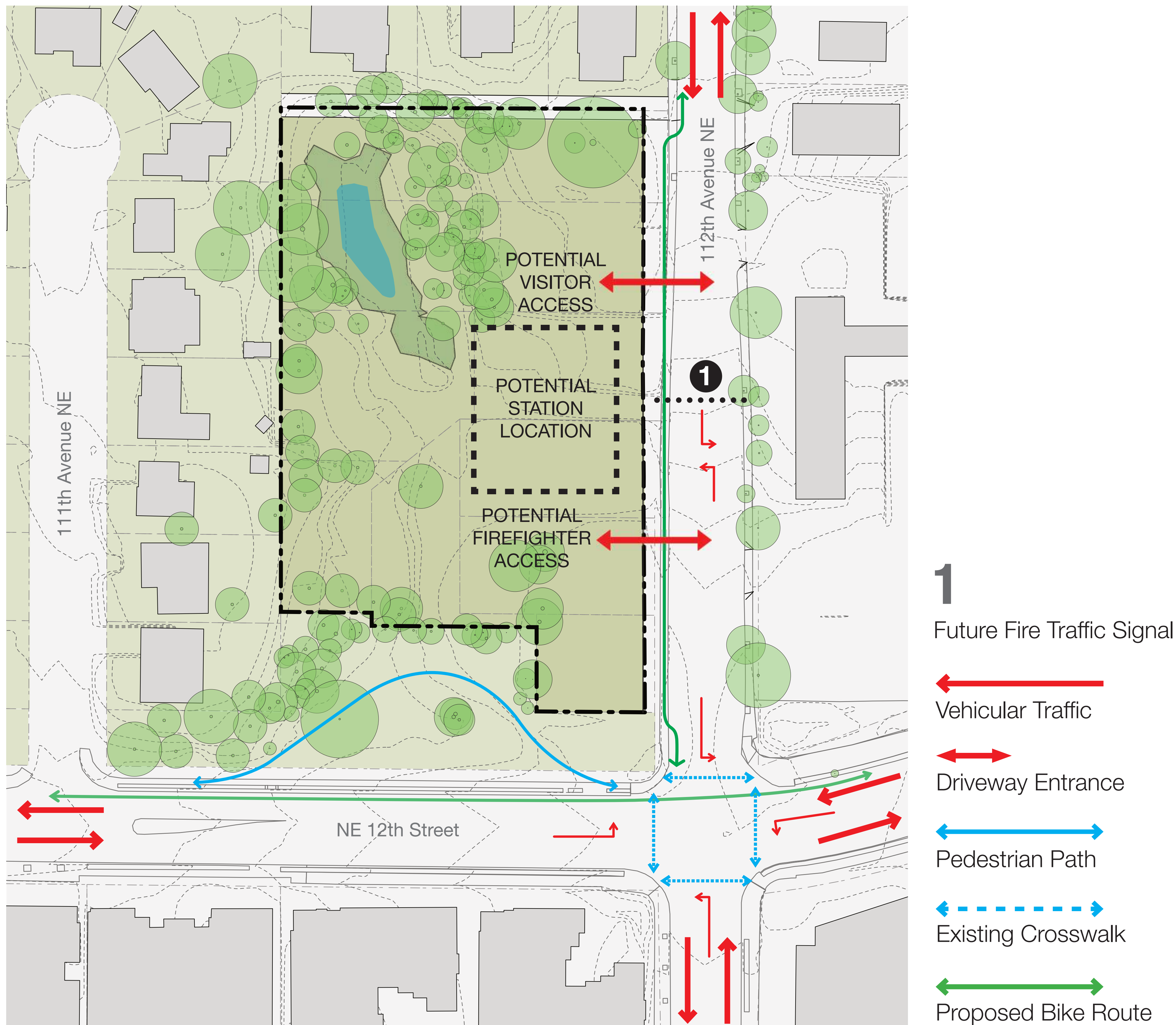


EXISTING RIGHT OF WAY

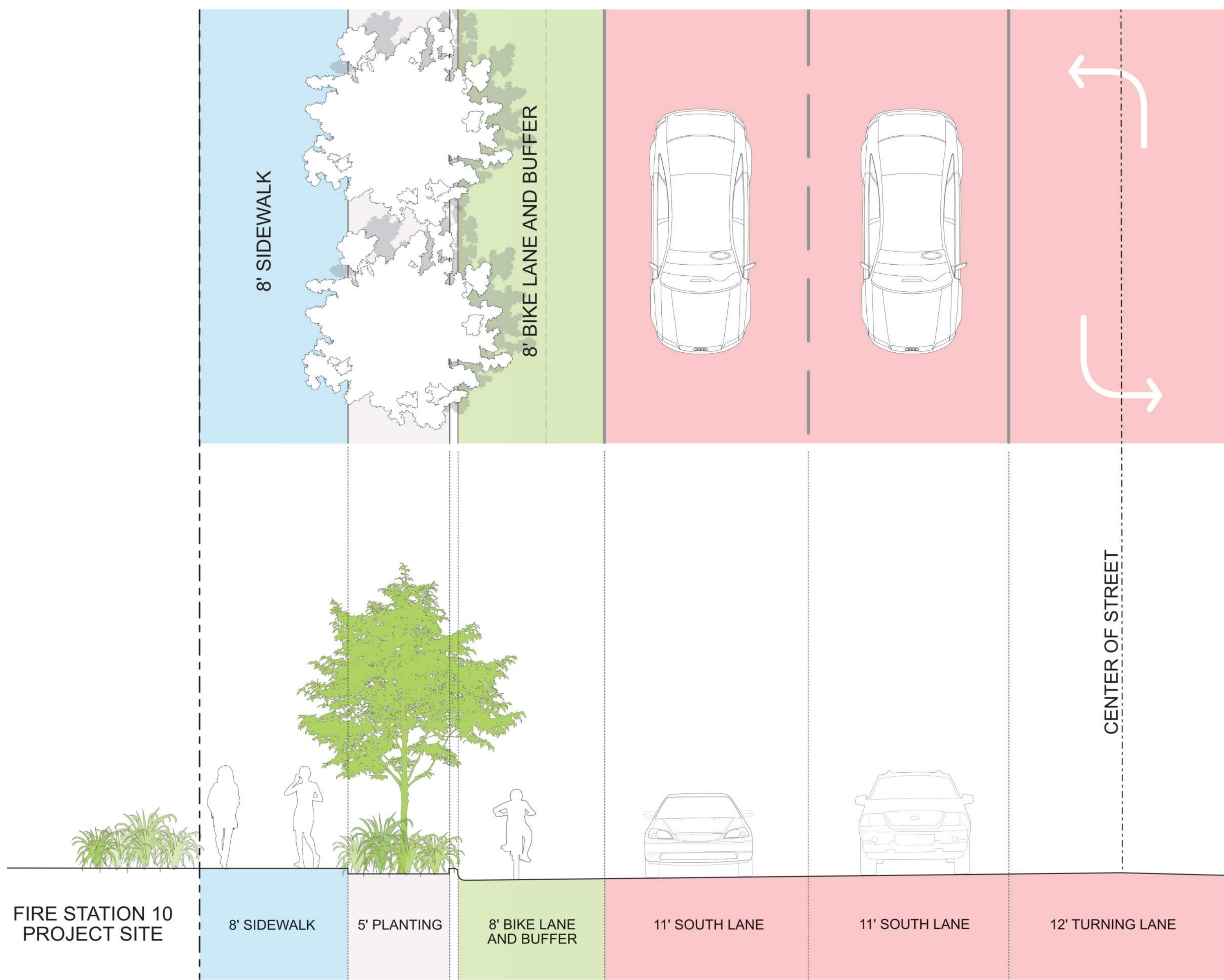
- There are 5 existing driveways along the project site on 112th Ave. NE
- 112th Ave NE currently consists of a north bound driving lane, a turning lane, and a south bound lane with existing 5' pedestrian sidewalks

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Transportation Impacts - Proposed ROW Improvements



Proposed ROW Improvements at 112th Ave. NE



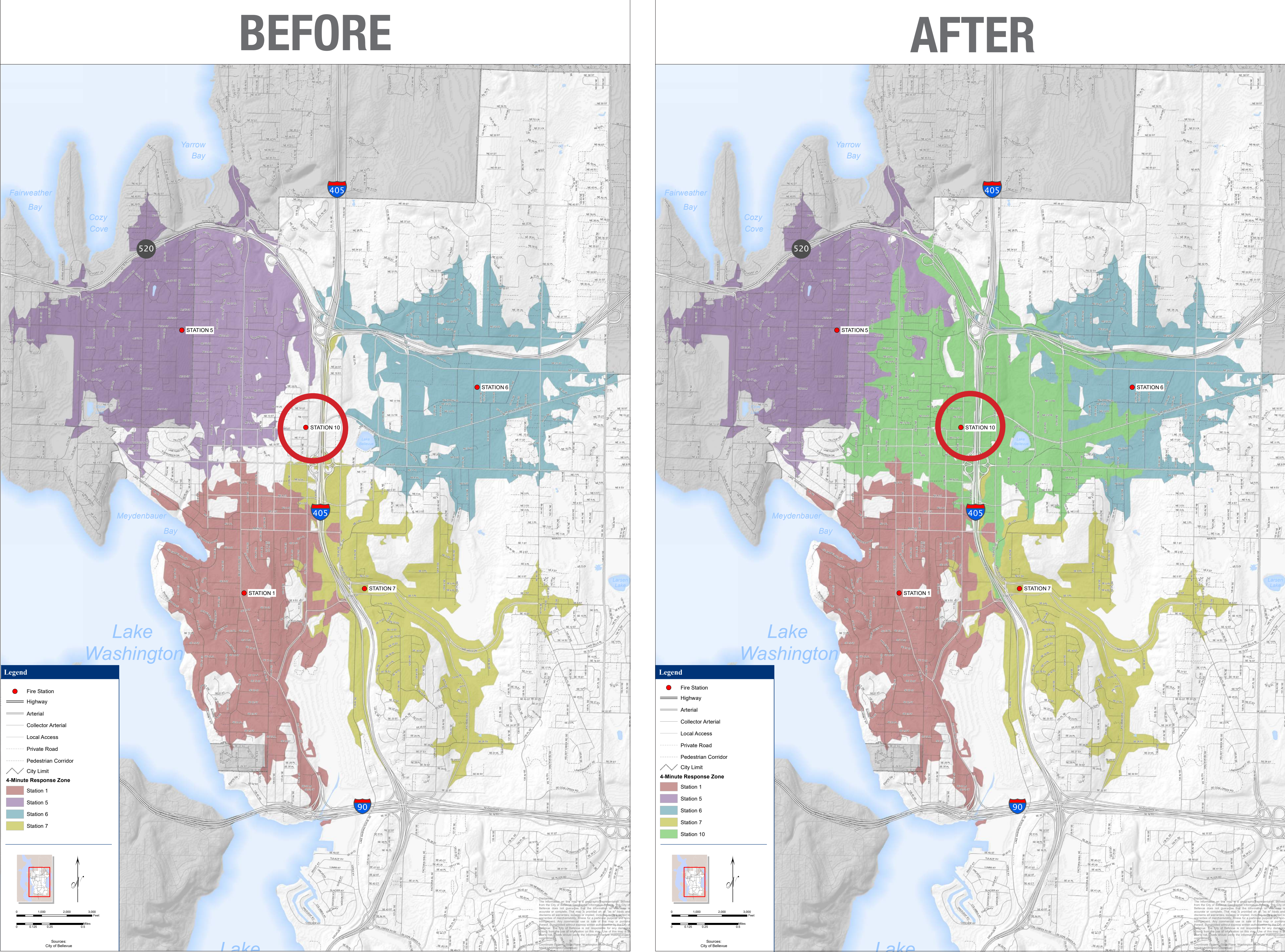
PROPOSED RIGHT OF WAY

- 2 driveways for fire station access at 112th Ave. NE
- Street improvements along 112th Ave NE include a 8' bike lane and buffer, a 5' planting buffer, and a new 8' sidewalk

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Station Operations

4 Minute Travel Times Before and After Fire Station 10

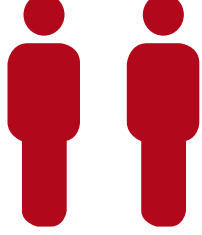
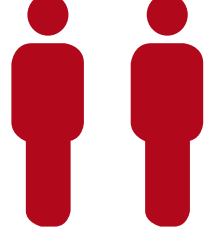
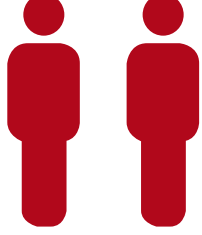


PNW Thinline Photography

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Station Operations

Fire Station 10 Fire Apparatus and Staffing

BATTALION 101	MEDIC 101	AID 101	ENGINE 110	FUTURE CAPACITY
				
 (1) Battalion Chief (1) Staff Assistant	 (2) Paramedics	 (2) Firefighters	 (3) Firefighters	

- Fire Suppression
- Emergency Medical Response
- Special Operations
- Community Connections and Education



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Station Operations

Fire Suppression



Emergency Medical Response



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Station Operations

Special Operations



Community Connections and Education

